

100007-96E5/660

Inventor: Sano et al.
Docket No: 10873.822US01
Title: OPTICAL HEAD APPARATUS, OPTICAL INFORMATION RECORDING AND
REPRODUCING APPARATUS, METHOD FOR DETECTING ABERRATION.
Attorney Name: Douglas P. Mueller
Phone No.: 612.371.3237
Sheet 1 of 29

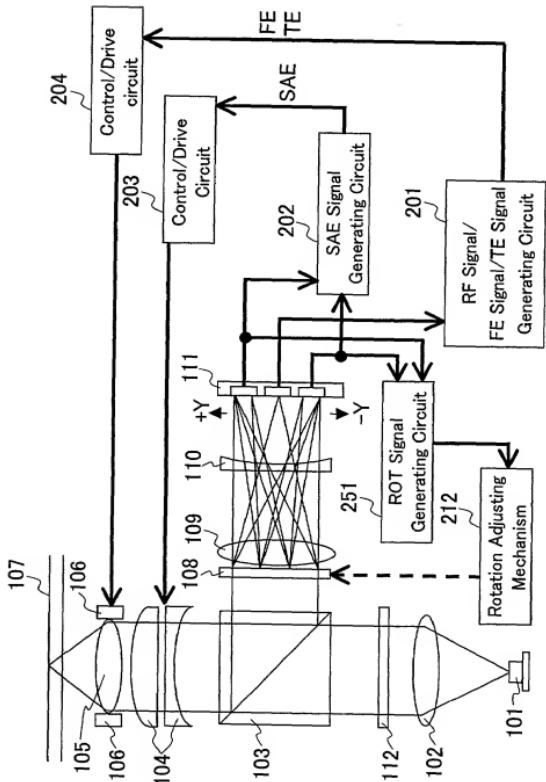


FIG. 1

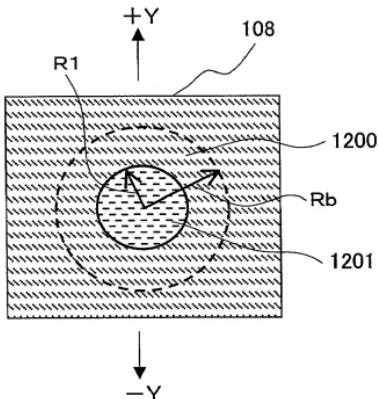


FIG. 2

TOOTOT 96ES/660

Inventor: Sano et al.
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Attorney Name: Douglas P. Mueller
Phone No.: 612 371.5237
Sheet 3 of 29

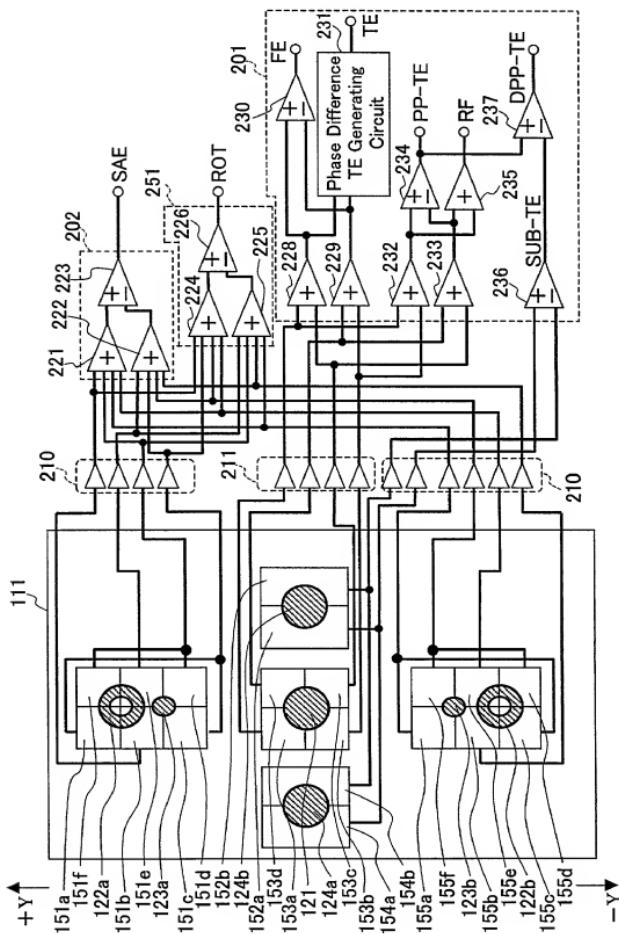


FIG. 3

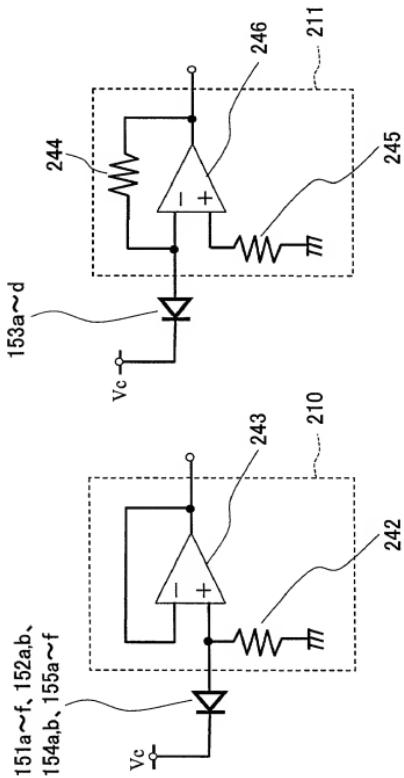


FIG. 4B

FIG. 4A

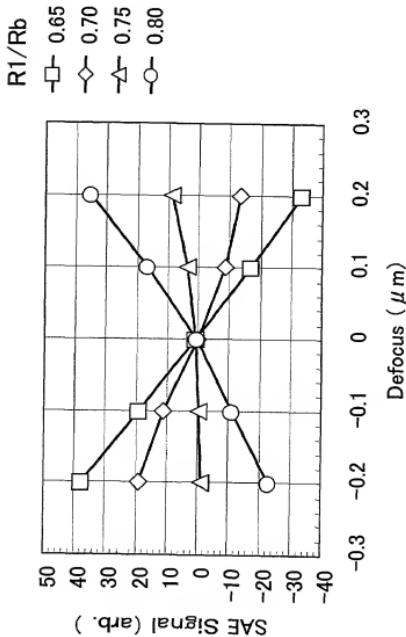


FIG. 5

100001-96E5/660

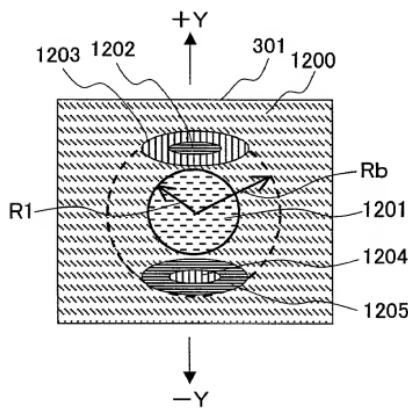


FIG. 6

TOOTOT-96ES/660

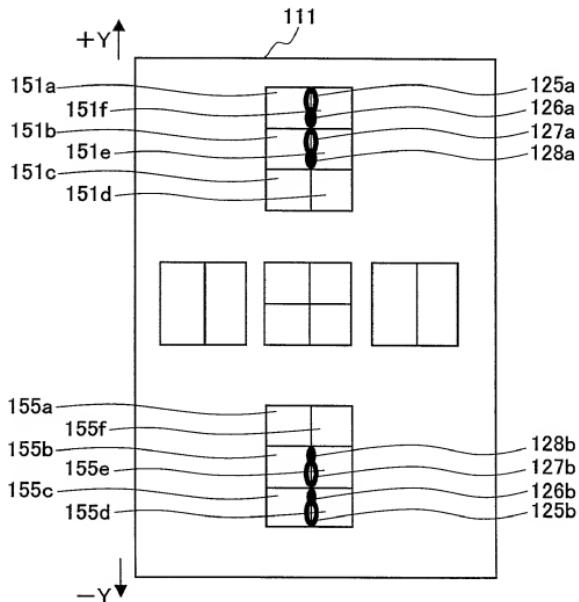


FIG. 7

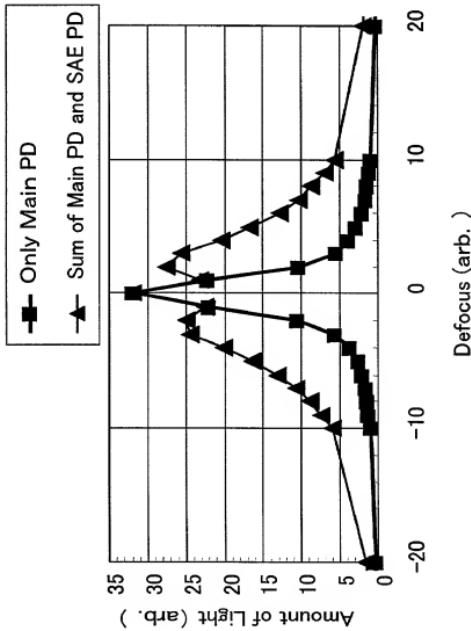


FIG. 8

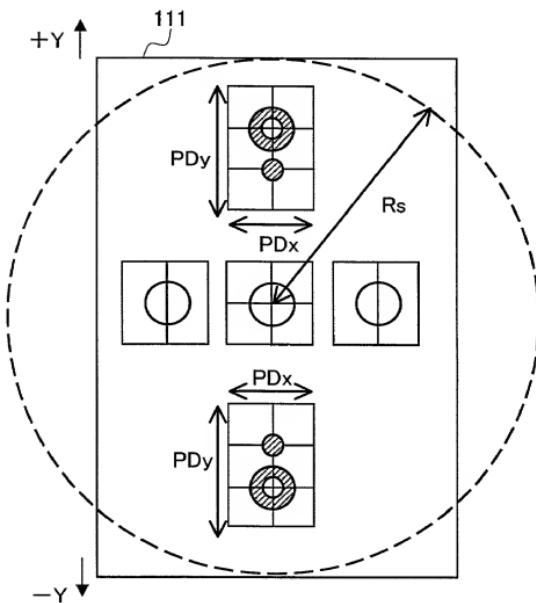


FIG. 9

099753396.101001

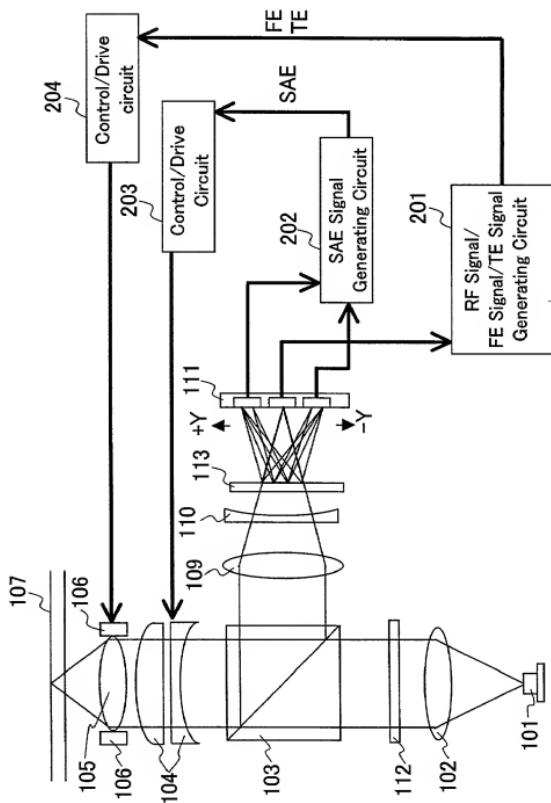


FIG. 10

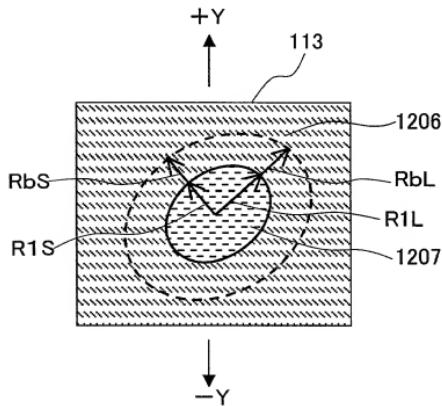


FIG. 11

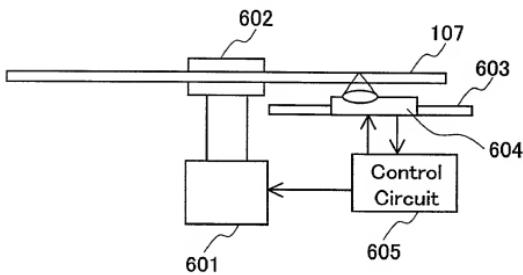


FIG. 12

09975396.101001

FIG. 13

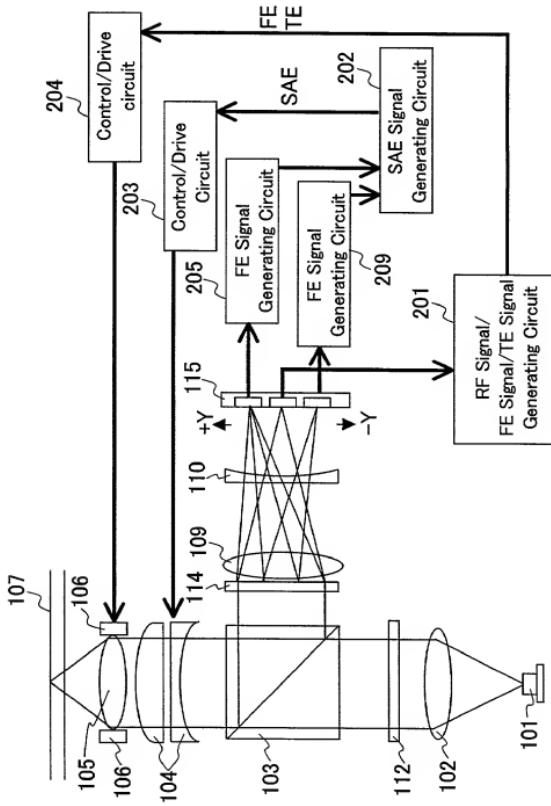


FIG. 13

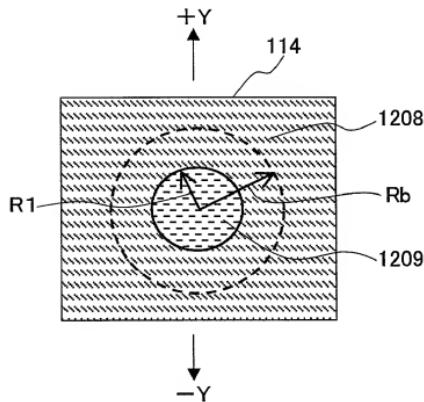


FIG. 14

TOOTOT' 96ESZ660

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Sheet 15 of 29

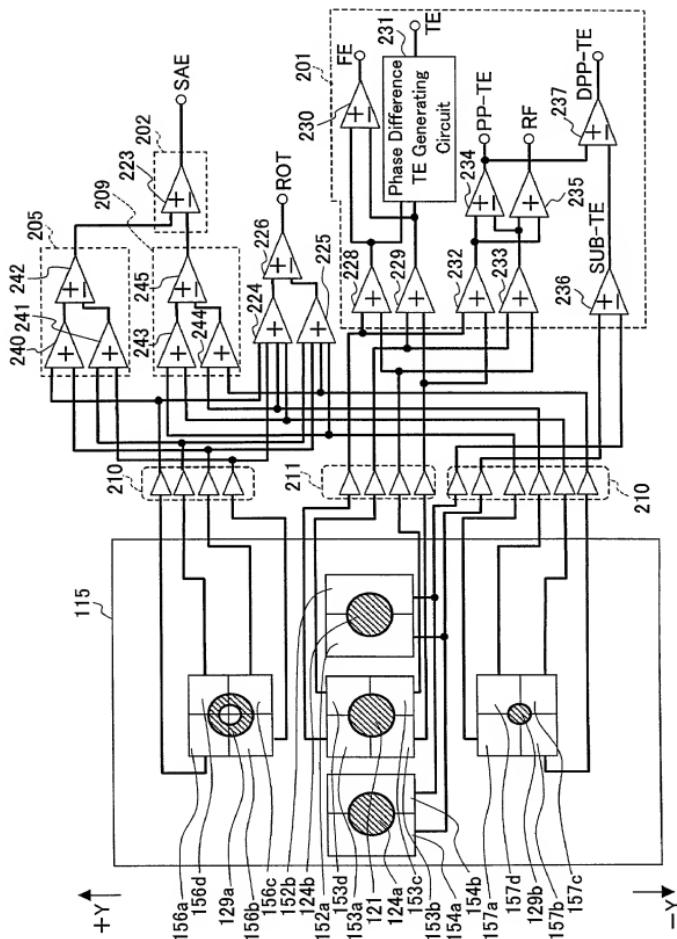


FIG. 15

100110101965526610

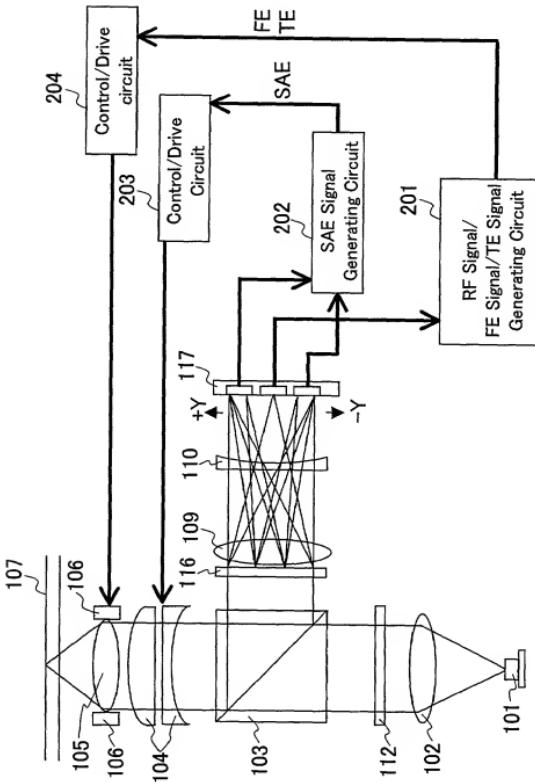


FIG. 16

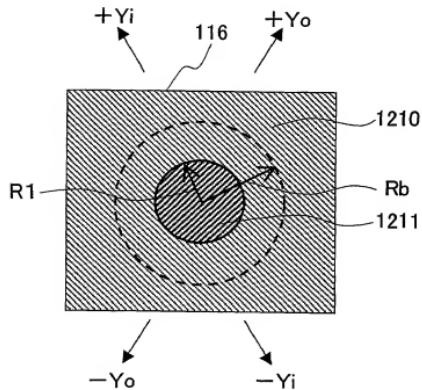


FIG. 17

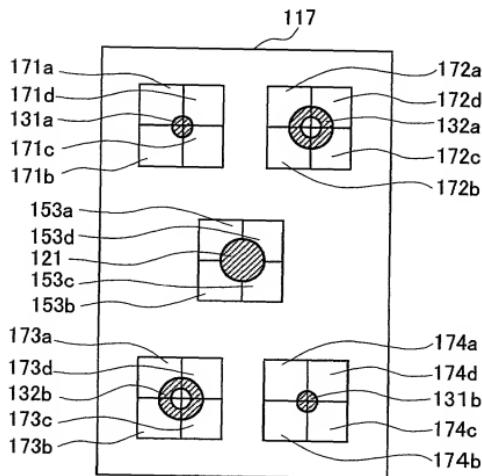


FIG. 18

TOOTOT 96ESZ660

Inventor: Sano et al.
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Attorney Name: Douglas P. Mueller
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Sheet 19 of 29

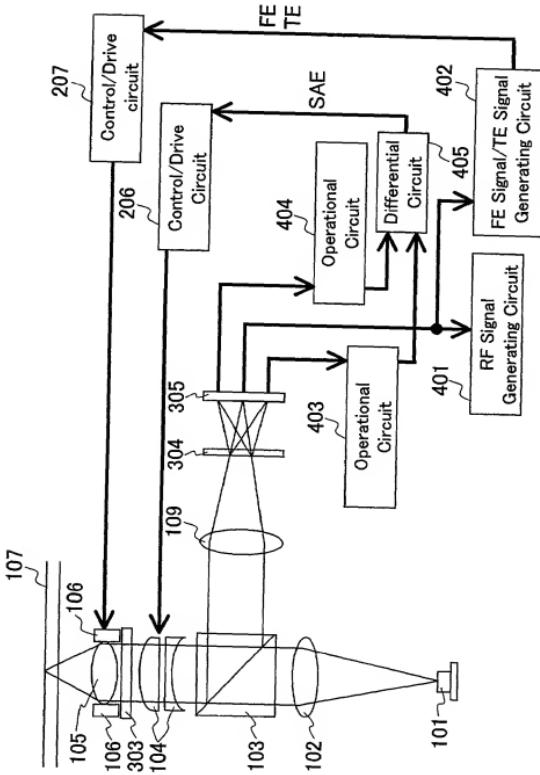


FIG. 19

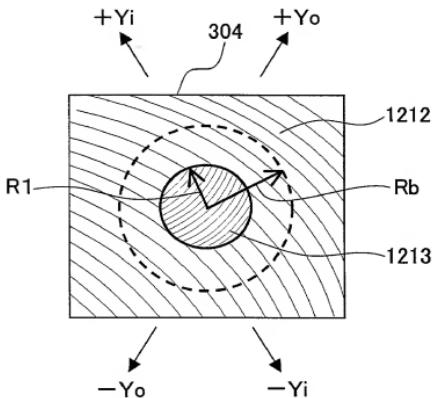


FIG. 20

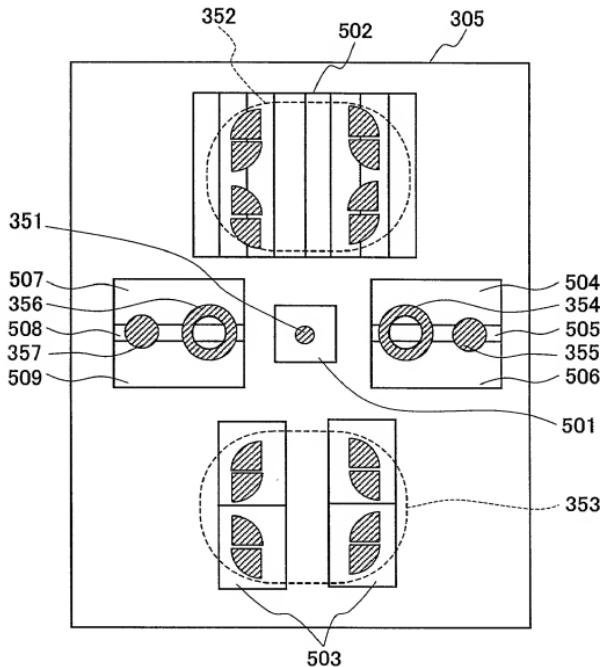


FIG. 21

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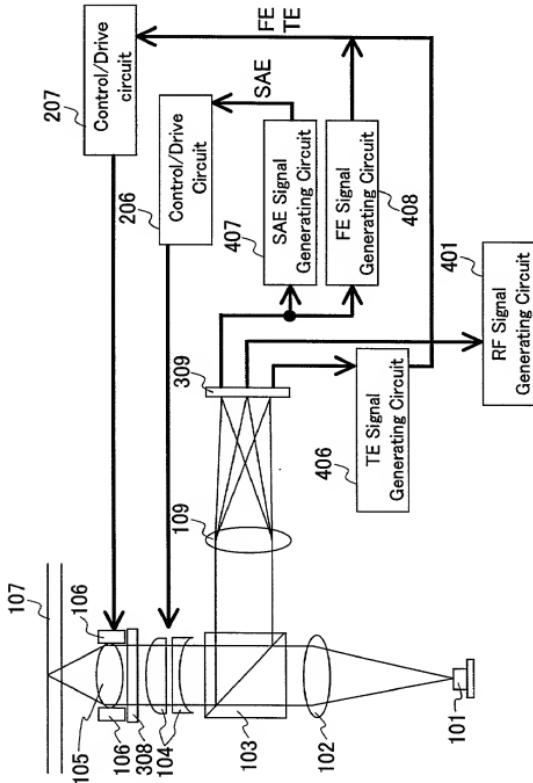


FIG. 22

100001-96557660

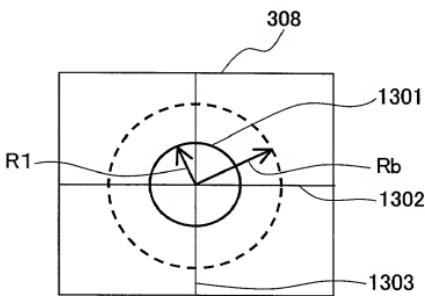


FIG. 23

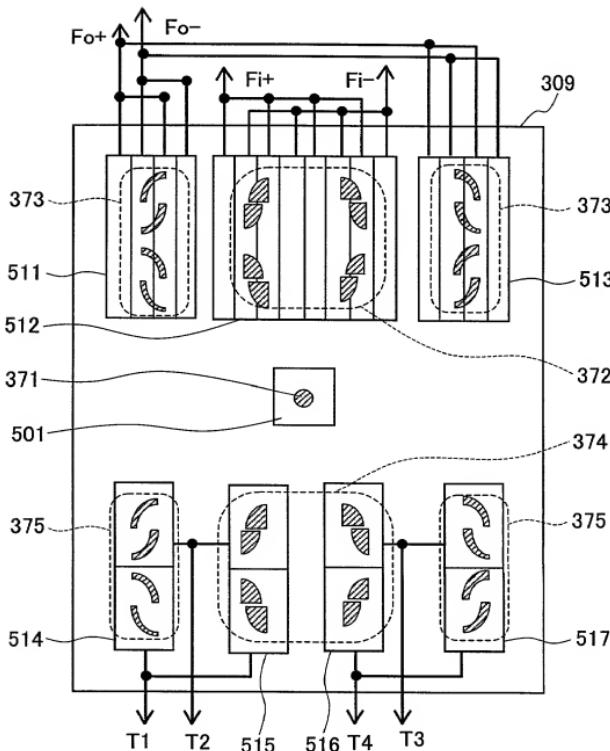


FIG. 24

TOOTOT-96E5/660

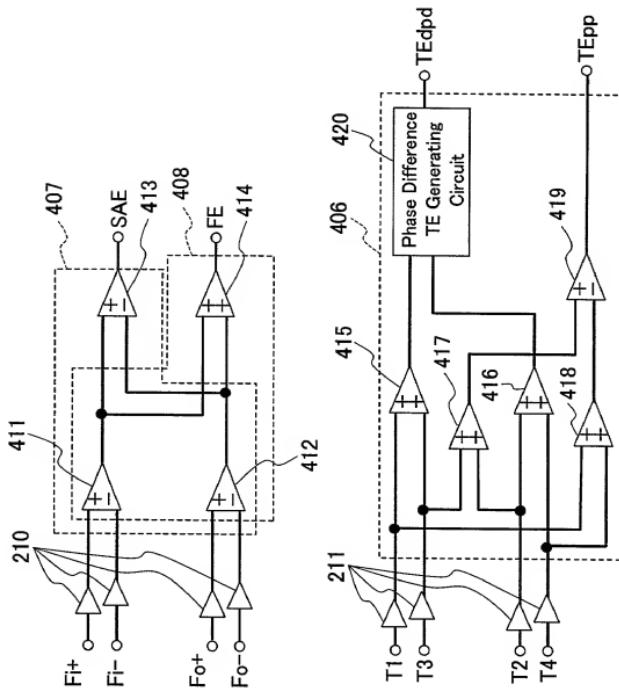


FIG. 25

TOOTOT 96ESZ660

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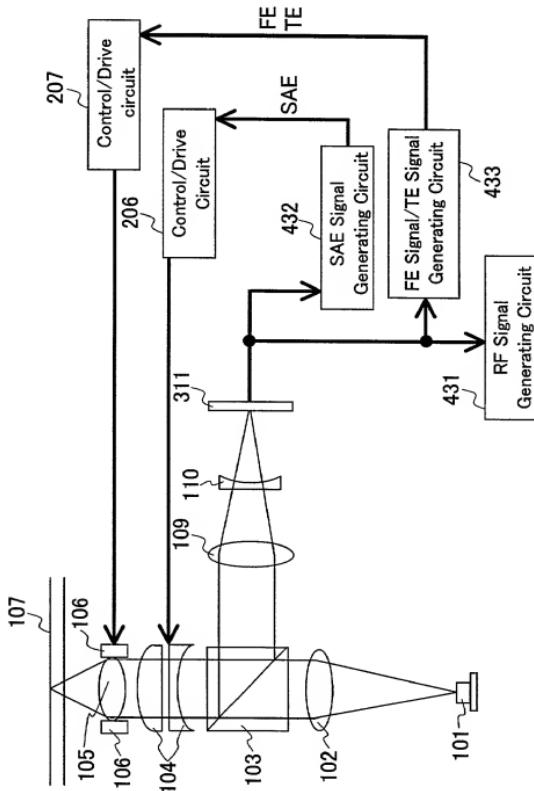


FIG. 26

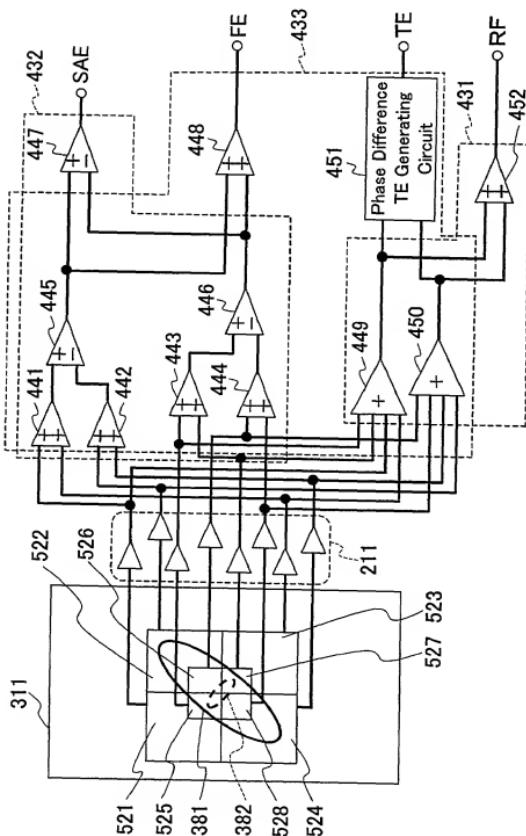


FIG. 27

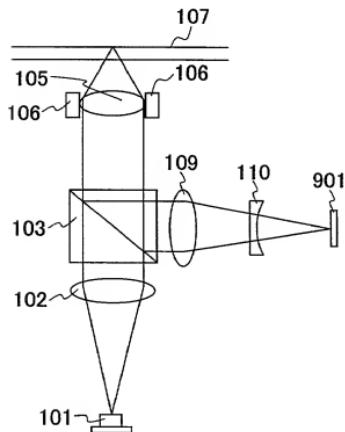


FIG. 28 (PRIOR ART)

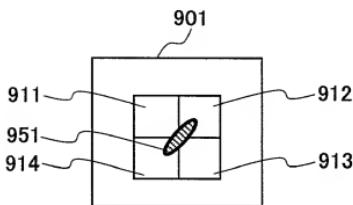


FIG. 29 (PRIOR ART)